

## Refine Search

Your wildcard search against 10000 terms has yielded the results below.

***Your result set for the last L# is incomplete.***

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

### Search Results -

Terms	Documents
L21 and (vehicle\$ or car\$ or automobile\$) and (single\$ with (vision\$ or visual\$) with (detect\$ or comput\$ or measur\$ or obtain\$ or sens\$))	6

**Database:**

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

**Search:**

10/707569

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[Interrupt](#)

### Search History

**DATE:** Saturday, January 19, 2008    [Purge Queries](#)    [Printable Copy](#)    [Create Case](#)

<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> <u>result</u> <u>set</u>
side by side			
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR		
L22	L21 and (vehicle\$ or car\$ or automobile\$) and (single\$ with (vision\$ or visual\$) with (detect\$ or comput\$ or measur\$ or obtain\$ or sens\$))	6	L22
L21	117 or 118 or 119	20	L21
	DB=PGPB,USPT,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR		
L20	("20050017857"  "20050073396"  "20050137774"  "7158015"  "6958683"  "US20050137774A")[URPN]	0	L20
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR		
L19	18	6	L19

DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L18 (6498620 | 20040145457 | 5642238 | 20020024713 | 6587760 | 6151065 | 6411202 | 6198998 | 5091726 | 6222447 | 6487481 | 5699448)! [PN] 12 L18

DB=PGPB,USPT,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR

L17 ("20050017857" | "20050073396" | "20050137774" | "7158015" | "6958683" | "US20050137774A") [ABPN1,NRPN,PN] 8 L17

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L16 18 6 L16

DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L15 (6498620 | 20040145457 | 5642238 | 20020024713 | 6587760 | 6151065 | 6411202 | 6198998 | 5091726 | 6222447 | 6487481 | 5699448)! [PN] 12 L15

DB=PGPB,USPT,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR

L14 ("20050017857" | "20050073396" | "20050137774" | "7158015" | "6958683" | "US20050137774A") [ABPN1,NRPN,PN] 8 L14

L13 ("20050017857" | "20050073396" | "20050137774" | "7158015" | "6958683" | "US20050137774A") [URPN] 0 L13

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L12 L8 6 L12

DB=PGPB,USPT,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR

L11 ("20050017857" | "20050073396" | "20050137774" | "7158015" | "6958683" | "US20050137774A") [URPN] 0 L11

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L10 L8 and ((detect\$ or comput\$ or measur\$ or obtain\$ or sens\$) with (position\$ or coordinat\$ or location\$) same (single\$ with (vision\$ or visual\$) with sens\$)) 1 L10

L9 L8 and ((detect\$ or comput\$ or measur\$ or obtain\$ or sens\$) near2 (position\$ or coordinat\$ or location\$) same (single\$ with (vision\$ or visual\$) with sens\$)) 1 L9

L8 L6 and (vehicle\$ or car\$ or automobile\$) 6 L8

L7 L6 and (position\$ or coordinat\$ or location\$) 8 L7

L6 L1 or L2 or L3 or L5 8 L6

L5 (safe\$ near3 signal\$) and (single\$ with (vision\$ or visual\$) with sens\$) and @ad<=20031222 8 L5

L4 (safe\$ near3 signal\$) and (single\$ with (vision\$ or visual\$) with sens\$) and @pd<=20031222 0 L4

DB=PGPB; THES=ASSIGNEE; PLUR=YES; OP=OR

L3 (safe\$ near3 signal\$) and (single\$ with (vision\$ or visual\$) with sens\$) and @ad<=20031222 3 L3

L2 L1 and (single\$ with (vision\$ or visual\$)) 1 L2

L1 20050137774 1 L1

END OF SEARCH HISTORY

## Hit List

**First Hit**

Your wildcard search against 10000 terms has yielded the results below.

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**Search Results - Record(s) 1 through 6 of 6 returned.**

☐ 1. Document ID: US 20050137774 A1

L22: Entry 1 of 6

File: PGPB

Jun 23, 2005

PGPUB-DOCUMENT-NUMBER: 20050137774

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050137774 A1TITLE: SINGLE VISION SENSOR OBJECT DETECTION SYSTEM

PUBLICATION-DATE: June 23, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Rupp, Jeffrey D.	Ann Arbor	MI	US

US-CL-CURRENT: 701/96; 180/170, 340/436

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	PMC	Drawings
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☐ 2. Document ID: US 20050073396 A1

L22: Entry 2 of 6

File: PGPB

Apr 7, 2005

PGPUB-DOCUMENT-NUMBER: 20050073396

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050073396 A1

TITLE: MULTIPURPOSE VISION SENSOR SYSTEM

PUBLICATION-DATE: April 7, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Mills, Aaron L.	Ann Arbor	MI	US
Engelman, Gerald H.	Plymouth	MI	US
Xu, Liwen	Southfield	MI	US
Beydoun, Samir Mohamad	Dearborn Heights	MI	US

US-CL-CURRENT: 340/435; 701/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Drawings
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☐ 3. Document ID: US 20050017857 A1

L22: Entry 3 of 6

File: PGPB

Jan 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050017857

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050017857 A1

TITLE: VISION-BASED METHOD AND SYSTEM FOR AUTOMOTIVE PARKING AID, REVERSING AID,  
AND PRE-COLLISION SENSING APPLICATION

PUBLICATION-DATE: January 27, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Rao, Manoharprasad K.	Novi	MI	US
Prakah-Asante, Kwaku O.	Commerce Township	MI	US
Strumolo, Gary Steven	Beverly Hills	MI	US
Ebenstein, Samuel Edward	Southfield	MI	US
Smith, Gregory H.	Ann Arbor	MI	US

US-CL-CURRENT: 340/435

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Drawings
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☐ 4. Document ID: US 7158015 B2

L22: Entry 4 of 6

File: USPT

Jan 2, 2007

US-PAT-NO: 7158015

DOCUMENT-IDENTIFIER: US 7158015 B2

TITLE: Vision-based method and system for automotive parking aid, reversing aid,  
and pre-collision sensing application

## PRIOR-PUBLICATION:

DOC-ID	DATE
US 20050017857 A1	January 27, 2005

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Drawings
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☐ 5. Document ID: US 6958683 B2

L22: Entry 5 of 6

File: USPT

Oct 25, 2005

US-PAT-NO: 6958683

DOCUMENT-IDENTIFIER: US 6958683 B2

TITLE: Multipurpose vision sensor system

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Footnote	Drawings
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☐ 6. Document ID: US 20050137774 A1

L22: Entry 6 of 6

File: DWPI

Jun 23, 2005

DERWENT-ACC-NO: 2005-495587

DERWENT-WEEK: 200550

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TITLE: Sensing system for vehicle, has controller coupled to vision sensor which generates safety system signal in response to coordinates and at least one object detection signal

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Footnote	Drawings
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Clear

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Print

Fwd Refs

Bkwd Refs

Generate OACS

Terms	Documents
L21 and (vehicle\$ or car\$ or automobile\$) and (single\$ with (vision\$ or visual\$) with (detect\$ or comput\$ or measur\$ or obtain\$ or sens\$))	6

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Results for "(((detect\* &lt;or&gt; comput\* &lt;or&gt; measur\* &lt;or&gt; obtain\* &lt;or&gt; sens\*) &lt;sentence&amp;g..."

☒ e-mail

Your search matched 2 of 1731070 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

## Modify Search

 ☐ Check to search only within this results setDisplay Format: ☐ Citation ☒ Citation & Abstract[IEEE/IET](#)[Books](#)[Educational Courses](#)[Applicatio](#)[IEEE/IET journals, transactions, letters, magazines, conference proceedings, and standard](#)[Select All](#) [Deselect All](#)

- ☐ 1. **IEEE IV2003 Intelligent Vehicles Symposium. Proceedings (Cat. No.03TH8683)**  
[Intelligent Vehicles Symposium, 2003. Proceedings. IEEE](#)  
9-11 June 2003  
Digital Object Identifier 10.1109/IVS.2003.1212870  
**Summary:** Not available.....  
[AbstractPlus](#) | Full Text: [PDF](#)(592 KB) IEEE CNF  
[Rights and Permissions](#)
- ☐ 2. **High performance sensor fusion architecture for vision-based occupant detectio**  
Owechko, Y.; Srinivasa, N.; Medasani, S.; Boscolo, R.;  
[Intelligent Transportation Systems, 2003. Proceedings. 2003 IEEE](#)  
Volume 2, 12-15 Oct. 2003 Page(s):1128 - 1133 vol.2  
**Summary:** We describe a fast and reliable vision system for detecting and recognizing automobiles. The main advantage of our system is its high accuracy due to the use of 1 which combines the results of multiple classifiers operating .....  
[AbstractPlus](#) | Full Text: [PDF](#)(435 KB) IEEE CNF  
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